

RECREATIONAL USE ATTAINABILITY ANALYSES PUBLIC COMMENTS

Public Comment Period May 21, 2008 – August 31, 2008

Little Flat Creek
Unclassified segment upstream of WBID #2393

Unclassified Barry County

Missouri Department of Natural Resources Water Protection Program PO Box 176 Jefferson City, MO 65102-0176 800-361-4827 / 573-751-1300

Recreational Use of Your Stream

Name: MR. Ray Dotson & Patricia Dotson
Address: RRte 3 BOX 257 MOKETT MO 65708 (EASYVILLE)
Phone Number: (417) 442-3839 E-mail address: D
Stream name: Little Flat Creek WBID (if known): 2393
What county is the stream in? BARRY 2394
Have you or your family used this stream for recreation at any time since November 28, 1975? Yes No
How have you and your family used the stream? Please circle all that apply:
Swimming Playing Fishing Wading Water skiing Sporkeling Skin diving Tubing Kayaking Canoeing Trapping Other:
Has anyone in your family, including children, ever used the stream in a way where they might have accidentally ingested water? Yes No If so, how? We have an older Shallow well for our household use, When the stream is down our water pressure is down as well.
What stretches of the stream have your family used? Describe locations as accurately as you can by means of distance from landmarks, bridges, streets, highways, or property lines (example: 150 yards downstream from Hwy EE bridge). Feel free to draw (on back) or include a map. East upstream to NF/100 at the deep spot near Macedonia Church and downs past Henderson's corner at the little bridge. All the way down to NF/135 at Hutchen's durie way & Sonny Lampes bridge on 1/35.
Do you know of others using this stream for recreation at any time since November 28, 1975? Yes No
How have others, to your knowledge, used the stream? Please circle all that apply:
Swimming Playing Fishing Wading Water skiing Snorkeling Skin diving
Tubing Kayaking ganoeing Trapping Other:
Do you know of others ever using the stream in a way where they might have accidentally ingested water? Yes No_ If so, how? Playing in the water and luggying a will summer day with the consins water lights
What stretches of the stream did they use? Describe locations as accurately as you can by means of distance from landmarks, bridges, streets, highways, or property lines (example: 150 yards downstream from Hwy EE bridge). Feel free to draw (on back) or include a map.
From BB Bridge down to Mc Board to Lillk Flat - to Big Flat
Signature Whs. Patricia Dotron Date 8/23/08

Mail to: John Hoke, UAA Coordinator, Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102, or Fax: 573-522-9920, or Email: john.hoke@dnr.mo.gov

Please use the back if you need more space to answer questions or to provide additional information or maps



Missouri Department of Natural Resources

Stream Usage Survey

1. Stream Name (Please enter the full n	ame) Little	e Flat Creek		
2. County (Please	enter the county or a	ounties where the use oc	curs) Barry		
3. City or Town (P	lease enter city or tow	vn closest to the area of u	(SE) Pindy		
location can be ide Latitude/Longitude	ntified on a map, e.g. , etc).	, 9th Street Bridge, Anyto	ons, please list them all below. Iwn City Park, Quarter Section-T	Fownship-Ra	inge,
East of downstre	(Hwy 88, ups am paut sta	tream to the Mi Se Huy BB bridge	seedoria church swin White Bridge at Sn	uning lan	whe at NF1100 upo house on NF1135
5. Have you or you	ur family personally u	sed the stream at this site	e(s) for recreation since Nov. 28.	, 1975?	
ATES HY	es, go to Question #6	O No If No. g	o to Question #11		
	ur family personally us s? Please select all th		o(s) for any of the following whole	le body cant	act
Swimming	₩ Tubing	Snorkling/Skin Divin	g Water Skiing		
7. How many time	s per year have you o	or your family personalty	used the stream for these activity	les?	Wine Han 5
	ur family personally u s? Please select all ti		e(s) for any of the following seco	ondary conta	ect
Fishing	Wading	Boating	Trapping		
9. How many time	s per year have you i	or your family personally	used the stream for these activit	ies?	wine than 5
10. How many of t	hese times did childre	en wade or play in the str	earn? To all of a	box/1	none than 5
11. Have you obse	erved or heard of othe	rs using the stream at thi	s site(s) for recreation since No	v. 28, 19757	Soc assumed
STES ITY	es, go to Question #1	2 O No If No, 9	go to Question #17		
12. Have you observereation activitie	erved or heard of othe s? Please select all t	ers using the stream at the hat apply:	s site(s) for any of the following	whole body	contact
Swimming	Tubing	Snorkling/Skin Divin	g Water Skiing		
13. How many tim	es per year have you	observed or heard of oth	ers using the stream for these a	activities?	more than 5
	erved or heard of othe s? Please select all t		is site(s) for any of the following	secondary	contact
Fishing	Wading	Boating .	Trapping		
15. How many tim	es per year have you	observed or heard of oth	ers using the stream for these a	ectivities?	minethan 5
16. How many of t	hese times did you of	bserve or hear of children	wading or playing in the stream	17 all	of above /more tha
17. Do you have a	dditional comments y	ou would like to provide t	the department regarding this st	ream?	Personanti device sonice
many to	vater from l mes this ye loor water i	ittle Flat Cree ear. I have had under the Easy	k has come up into notes into my hus ville church and in	bands in	elds at Easy ville bedroom through sm's fields, My
AVids well C	e department has que	the fields and v	e following contact information: Chickes parked in the	field	ver flooded 4" in
they were	floated the	ne and will	name trees on the be cut up for fire	wood.	
://www.surveys	.dnr.mo.gov/wp	p-stream-usage.ht	m		8/19/2008

First Name:	Patricia	Last Name:	Dotson	
Address 1:	RRHE 3 Box 257	Address 2:		11 22
City:	Mouett	State: Missouri	Zip Code:	65708-
Phone Numb	er: (417) 442- 7910 ext.	E-mail: 0		

Thank you for taking time to complete our stream use survey. We appreciate your interest and involvement in protecting and preserving the quality of Missouri's waters. If you have questions or additional comments, please contact John Hoke, UAA Coordinator, at 1-800-361-4827 or (573) 526-1446, by e-mail at cleanwater@dnr.mo.gov, or by mail at P.O. Box 176, Jefferson City, Missouri 65102-0176.

Cancel

Submit



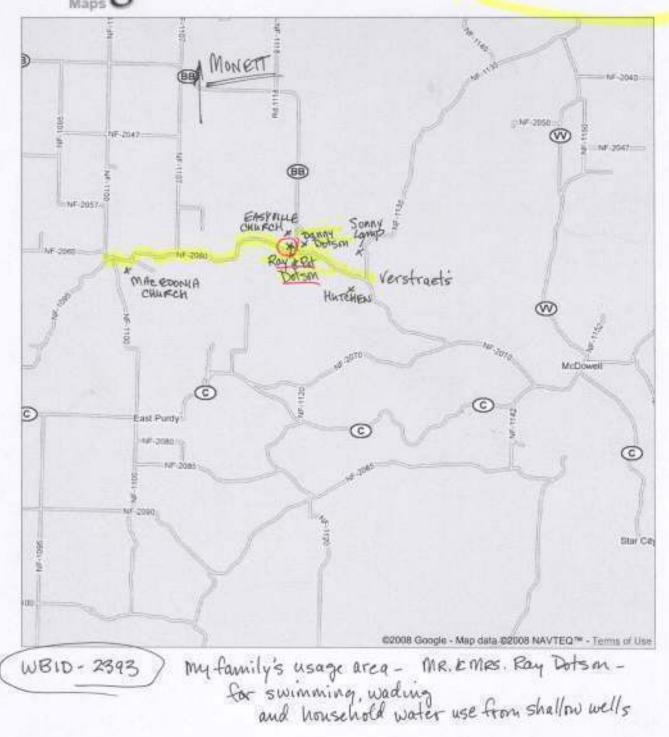
Missouri Department of Natural Resources P.O. Box 176, Jefferson City, MO 65102 1-800-361-4827 / (573):751-1300 E-mail: çleanwater@dor.mo.gov



Danny Dotson's place on little that check at Easy ville . Barry county, Mo



notice the time suring



Recreational Use of Your Stream

Name: Ruby L. Wilks
Address: 501 Edina, Rt 1, Box 369 Purdy Mo., 65734
Phone Number: (417)442-9149 E-mail address: NONE
Stream name: Lettle Flat Creek WBID (if known): 2393-2394-2391
What county is the stream in? Barry
Have you or your family used this stream for recreation at any time since November 28, The Property of the North No. How have you and your family used the stream? Please circle all that apply:
How have you and your family used the stream? Please circle all that apply:
Swimming Playing Fishing Wading Water skiing Snorkeling Skin diving
Tubing Kayaking Canoeing Trapping Other: I Flayed IN this stream Stream her O
Swimming Playing Fishing Wading Water skiing Snorkeling Skin diving Twas 7400. Tubing Kayaking Canoeing Trapping Other: I played in this stream Stream for Mothers her Old. (7340) MyChilbren played them My Mothers her fur by there is 1 1 to 1 (generational farm) where fur have accidentally ingested water? Yes No If so, how? We had two wells-1 located.
Spring fed -all of Little Flat Creek is Spring Fed. The Churches baptised in Creek. What stretches of the stream have your family used? Describe locations as accurately as you can by means of distance from landmarks, bridges, streets, highways, or property lines (example: 150 yards downstream from Hwy EE bridge). Feel free to draw (on back) or include a map. All of the Creek from C. Hwy down to McDowell & Bis flat. My Dads family all were raised on Bis flat Creek with 10 Broy Sisters - So was in Mom - 12 Broy Sisters. All of the area DNE wants to exempt. A bis swimming hole (Qreek) do past Quarty trates still yards of there is the stream for recreation at any time since November 28, 1975. Since 1975. Yes V. No Ruble Swimming thole; Baptisms were there. There was a baptism at Bill Roller Lodge Creek in August & this year. How have others, to your knowledge, used the stream? Please circle all that apply:
(wimming Playing Fishing Wading Water skiing Snorkeling Skin diving Wells - home use
(Tubing) Kayaking Canoeing Prapping Other: Boptisms-Tura Churchec
Do you know of others ever using the stream in a way where they might have accidentally ingested water? Yes ~ No If so, how? Baptisms; kids playing - diving Playing: drinking Water - Where all people living along creek have We! Inner tubes & water fights. What stretches of the stream did they use? Describe locations as accurately as you can by means of distance from landmarks, bridges, streets, highways, or property lines (example: 150 yards downstream from Hwy EE bridge). Feel free to draw (on back) or include a map. From New C Bridge Ham E of Rudy down creek Lilke flat 2393, 2314, 2391, to Me Davell 2387. The Low Water bridge at Flat Creek (2070) has been used by public for years (still is) always running stream - becomes impassable mas Signature Ruley L Wills. Date 8/23/08

Mail to: John Hoke, UAA Coordinator, Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102, or Fax: 573-522-9920, or Email: john.hoke@dnr.mo.gov

Please use the back if you need more space to answer questions or to provide additional information or maps

On Back

I do not understand why DNR & Clean Water Commission would even entertain the idea of exempting any stream in the State of Mo ar any State in the U.S.

The Clean Water Och required MONR to review States Water standards at least once every 3 years.

Exempting these streams from Clean Water mandates would allow sewer agencies and other facilities to release Garteria - laden water into these waterways without disinfesting the washwater they discharge.

Im not against James - I was raised on a form. I lave the Jains I'm not against business; however, I am against capoes, treatment plants, Lusinesses who don't that their waster & discharge into river laker, streams, occans, and pollute & ruin the nations sail & water. These people could control their waste; but, why should they waste their money when DNR & EPA let them pollute for Free?



Missouri Department of Natural Resources

Stream Usage Survey

Stream Name (Please enter the full name) Little Flat Creek	
2. County (Please enter the county or counties where the use occurs) Barry Co. Mo	
3. City or Town (Please enter city or town closest to the area of use) Purdy Ma	
 Where do you use the stream? If use occurs in multiple locations, please list them all below. (Please be specific so the location can be identified on a map, e.g., 9th Street Bridge, Anytown City Park, Quarter Section-Township-Range, Latitude/Longitude, etc). 	
Starting at C Huy bridge (Hu i F of Purdy) runs down to Clifton Farm - Chicken City at Creek - on N through Ruby W. Fin taken by city of Purdy for Lagoon - www Troatment) on down Lifet 5. Have you of your tamily detachable the stream of this stiels for recreation since Nov. 28, 1975?	trough The Soacr 2393, 2391 F Creek
⊘ Yes If Yes, gc to Question #6 ○ No If No, go to Question #11	3
Have you or your family personally used the stream at this site(s) for any of the following whole body contact recreation activities? Please select all that apply:	
Please select all that apply: [X] Swimming [X] Tubing [X] Snorkling/Skin Diving [Water Sking Diving Barpt Church activities: School and; 4 A act	isms - w
7. How many times per year have you or your family personally used the stream for these activities?	ws
Have you or your family personally used the stream at this site(s) for any of the following secondary contact recreation activities? Please select all that apply:	
Fishing Wading Bosting Brising Carres drinks wells to	
9. How many times per year have you or your family personally used the stream for these activities?	lau 5
10. How many of these times did children wade or play in the stream? Out of obout 11. Have you observed or heard of others using the stream at this site(s) for recreation since Nov. 28, 1975?	
Ø Yes If Yes, go to Question #12 O No If No, go to Question #17 OLU of the abov ≈	
12. Have you observed or heard of others using the stream at this site(s) for any of the following whole body contact recreation activities? Please select all that apply:	
Swimming Tubing Snorkling/Skin Diving Water Skiing	
13. How many times per year have you observed or heard of others using the stream for these activities? W&ve	Han 5
14. Have you observed or heard of others using the stream at this site(s) for any of the following secondary contact recreation activities? Please select all that apply:	
Fishing Boating Trapping Trapping	
15. How many times per year have you observed or heard of others using the stream for these activities? Were	Ahaus
16. How many of these times did you observe or hear of children wading or playing in the stream? There I have the	u 5
47. De veu beue additional comments you would like to provide the department expection this stractor?	7 7 1 -
Awy time it rains 2-3-4-5-6-10-16" all this stretch descriptions when the bridge of Chuy-Awdy all way down creek Low Water Bridge at McDowell washes aux off bridge of	thed about the
Ruby Wilks 417-9149; 501 Edina, 1811,	Bey 369
Du Apr 24, 1975 if rained 16 " (called it a loo in Aland) We	eter was
://www.surveys.dnr.mo.gov/wpp-stream-usage.htm from hillside to the house where my parents tried towned form (u agoon 12 located) It washed the Easywije Church off foundation - Seo for	8/19/2008 Way

First Name:	Ruby	Last Name:	Wilks	
Address 1: City: Pu	501 EdiNA, R	State: Missouri	Code:	65434
Phone Numbe	1 (417) 442 914	P E-mail: £	7	

Thank you for taking time to complete our stream use survey. We appreciate your interest and involvement in protecting and preserving the quality of Missouri's waters. If you have questions or additional comments, please contact John Hoke, UAA Coordinator, at 1-800-361-4827 or (573) 526-1446, by e-mail at cleanwater@dnr.mo.gov. or by mail at P.O. Box 176, Jefferson City, Missouri 65102-0176.

Cancel

Submit



Missouri Department of Natural Resources P.O. Box 176, Jefferson City, MO 65102

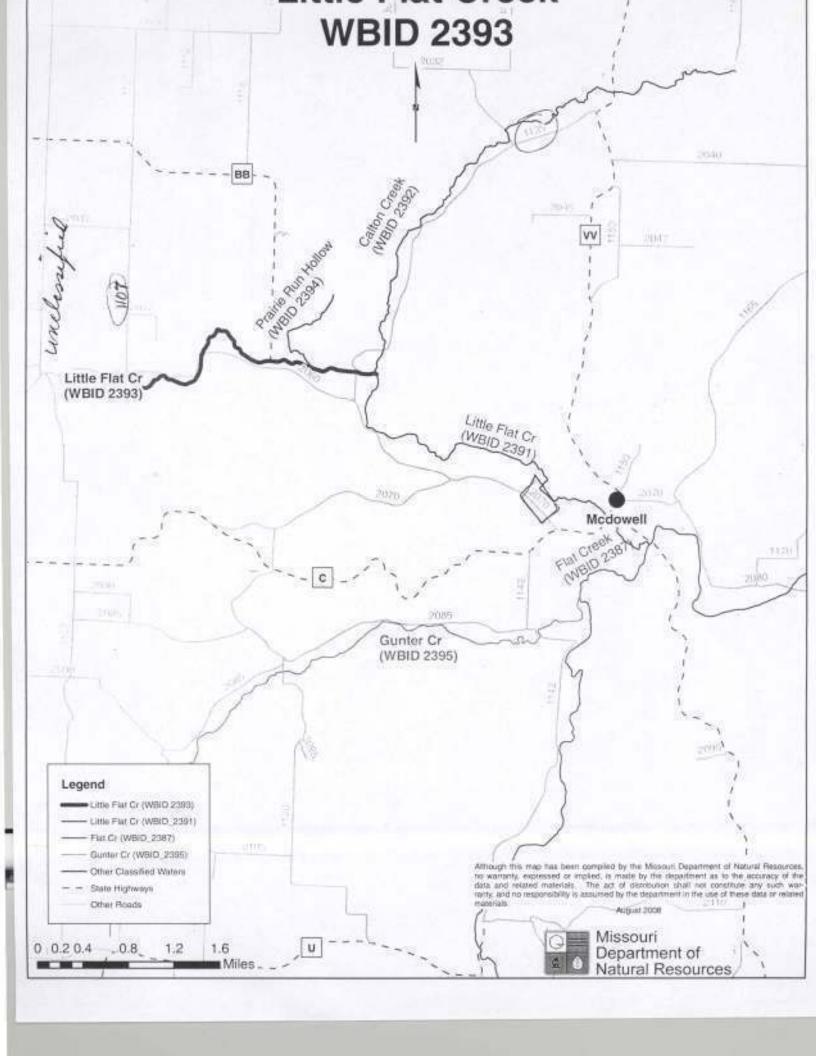
1-800-361-4827 / (573) 751-1300 E-mail: cleanwater@dnr.mo.gov



Address Barry County Missouri

Notes Map Showing the Little Flat Creek area where the Dotson family and neighbors use the stream for household and recreation







Kung weeks Farm SE & Purdy 1/2 miles now lised as Purdy Wastewater Treatment Plant. This 80 acre farm belonged to my Mather; she get from her father. The farm was over los years seld when City took Jain. The location was not suitable The DNK agreed. Sinkholes, Karst topography 2 bottom less wells on property 1. Faured tons g concrete, gravel into each well + there was no dattom 2. Inclian Graves are in my property - Civil War - Indiano 3. Indian graves was found Meantly By City Wastewales treatment men 4. Running Naw Dewage ente Oreck from Purdy lagron Anached large holes in E lad;

still doing Dame 5. Hellution from lagron, Checker Cettle, crops, interference with irrigation spicate on Land by arnoud & fair equipment 6. Comand pays peckbooks to Cety 1. they turn on irregation for his crops (corn especially) & a night & rund 50 many Hours When its dest for his Com. 7. There's pollution from Ainaud Jaiming lagum going into Creek 8. There's pallution from Dong Clipton Opickur Copo to the South & Cagoon Trunning pallute into Creek. 9. The creek is also spring- tel have you work work property

Ludy Wastewater Lagoon In 1992, the City of Purdy + DNR, took my family's lover 100 yr old form passed down from my Mother Galder) 80 acres of choice land for the Purdy Mr City's wastewater lagon This property is located 1/2 mi from Purky SE & town. The City took my form by Eminest Domain. Took the entire 80 acres. We were in Court several days at Barry Co, Cassulle, Mr. I had a fury trial in Springfield, Mo where Jury ruled in my favor. The comparative price for my land should have been \$3,000 per acro. I gat 70,000; should have been 960,000 for land. The house, barn, etc is bought separate;

much pay for moving etc. The City asked me to donate the property. The City met none of the Regal gruddenes in the State Facility Plan for taking properly by Emerent Domain

The Judge, Judge Genry, Newton Co, Neosha, Mo took a \$25,000 payoff had a heart attack & got histed of his

Judgeship. The Court have seed me, had me stalled, I had to have guards in

Court; cited me for contempt I court (Decause Judge ruld in my Lavor - then recended; let Pardy go to City Wall get proof to win case which I proved attorney made false documents & they admitted in Court along with Cety Clerk, who is presently Cety Clerk.) For this I received 6 mos in fail + had to apologize to all TV area Coverage from Splin Vesus They assigned me an alterny + a Jua up North. This Judge ruld in my favor. When the lagon was completel, 3 Steg Perkins, DNR Springfield declared Lagron "Non Warkable due to Sink hales, Baret topography Indian gravesiter by lagin; 2 bottom less Wells - 1 at House si d other one on NE Barty Creek, The Lagoon did not function properly - Nan over berm - couldn't correct this. So City, with ferbins knowledge) knoched Large heles en E end & lagoon - Minning raw

sewage into creek & is still

doing so at Present time.

The City also had to feep on using West Legoon, which they are still resing today.

the City leased the 80 acres to
a farmer, banker, business man Slen Garrett - Purby who leves occlaide
City Teinits.

Shis Rived Had - Glen Scott was
on City Counsil.

The new Mayer Sara Colselshi

proved Conflict of Interest with
Sarett & Seatt; therefore they

Graved Conflict of Interest with Savett & Scatt; therefore they leased the 80 acres to form to Juin arnaud - James 3 W of Monet.

Jim Cornaud pays \$3,000 per year for lease. Amand is a Big dairy former, beef cattle, or ap farmer & leaser thousands & arres & land arrived Monett area.

Tim put many loads & Chicken letter on Lagorn land; he does no tell farming; which he uses hage amounts & herbicides &

pestruises. Arnaud Gerings 60-75 Read & cattle to layour after harvesting corn, hay, etc for cattle to lat. The cattle drink out & layon Grnaud is also subsidaged by Goot 75A - Casswelle. Occarding to Facility Flan for building lagorns issued by State that Me & City had to follow to Build lagorn properly & legally, States; Meter lagron in completed, the grass must be kept short 2. The land cannot be farmed until 3. No chicles letter after 20 yrs 4. No pesticides, Herbicides 5. No Cattle on land 6. after 20 years are up & lagoon is so longer essed; then any craps, or hay must be destroyed for at least 2-3 cuttings 7. This must be done before the

doing so at Present time.
The City also had to feep on using West Legron, which they are still sesing today.

As soon as Lagoon was completed the City leased the 80 acres to a farmer, banker, business man-Slen Lanett - Andy who lives outside City Teinits.

Wis hired had - Glen Scott was on City Counsil.

In City Counsil.

The new Mayor Sara Celselshi proved Conflict g Interest with Saratt + Scott; therefore they leaved the 80 acres to Jam to James 5 W g Monet.

Jim amand pays \$3,000 per year for lease. Arrand is a big dairy former, beef cattle, arap farmer & leaser thousands & arrev & land arrund Monett area.

Jim put many loads & Chicken letter on Lagorn land; he does no till farming; which he wees huge amounts & herbicides &

Ray or land can be used for any cattle or dairy, or seed or craps used for human consumption 8. Thek Companies are not allowed to The milk companies still luy his milk 9. arnaud does all these things 10 He Migates all com 4 Crops with lagron water at my farm 11- arnaud harvest around \$300,000.00 worth gerage each year off lagoon land which is all illegal in every aspect I have turned all their in to DNK EPA & to many other agencies ever since sewer was built-No one is enterested in law; the danger in using crops for huns. All DNR closer is ignore whale situation. Treats me rude. Does

Gothing Schels Me A Troublemaker The City & DNR tried to make me lace everything I had. I was forced to represent myself in court of I would have last everthing The City stalled me; humiliated me, tried to arrest me at assisced meetings, all with approval of DNR & EPA Now the City is in trouble with lagron with no money to correct the problems (article about City Lagon enclose Clarge in decay of Corner John Themas Corner white the company of the contract of the contract



NT OF NATURAL RESOURCES

www.dnr.mo.gov

June 24, 2008

LETTER OF WARNING

The Honorable Robert Moser, Mayor City of Purdy 101 Front Street P. O. Box 216 Purdy, MO 65734

Dear Mayor Moser:

Enclosed you will find an inspection report for the wastewater treatment facility serving the City of Purdy. I believe the report is self-explanatory and trust you will address any unsatisfactory features noted, as well as any recommendations contained therein.

The report notes the samples collected during the inspection and three months of Discharge Monitoring Reports indicate non-compliance with Missouri State Operating Permit (MSOP) daily maximum limitations for nitrate in monitoring well #1. This non-compliance constitutes a violation of Missouri Clean Water Law sections 644.051.1(3) and 644.076.1 RSMo. Because of continued non-compliance with MSOP it will be necessary for the City of Purdy to retain the services of a professional engineer registered in the State of Missouri to evaluate the design, operation, and maintenance of the lagoon system and make recommendations to bring this facility into compliance with MSOP limitations and conditions. This engineering report and a commitment by the City of Purdy to implement the recommendations must be submitted within 120 days of receipt of this letter.

It was observed during the inspection a potential leak through the berm of the lagoon serving Outfall 002. A request was made to the Department of Natural Resources – Division of Geology and Land Survey to evaluate the lagoon, a copy of their report is enclosed. Their observations confirmed the leakage from the lagoon. It will be necessary for the City of Purdy to conduct an engineering evaluation of the lagoon system to determine if repair or replacement of the lagoon is needed. This engineering report and a commitment by the City of Purdy to implement the recommendations must be submitted within 120 days of receipt of this letter.

The City of Purdy has a bypass lagoon (Outfall 002) which can be used as a bypass of complete treatment for excess flow from storm events. The current Missouri State Operating Permit (MSOP) allows a discharge with limitations of 45 mg/l for both Biochemical Oxygen Demand and Total Suspended Solids. The Environmental Protection Agency (EPA) has recently commented that these discharges should not be allowed unless the permittee has exhausted all avenues to reduce or eliminate Inflow and Infiltration (I&I) into the collection system. It appears the EPA is heading in the direction of elimination of these outfalls from the City's MSOP. If a discharge does occur after the outfall is eliminated, it must be reported as a bypass in accordance with MSOP Standard Conditions Part I.

The Honorable Robert Moser, Mayor June 24, 2008 Page 2

The City of Purdy must begin a program for the location and repair of sources of Inflow and Infiltration into the city's collection system. The EPA has a self-assessment tool called Capacity, Management, Operation, and Maintenance (CMOM) which can be found on the internet at: http://www.epa.gov/npdes/pubs/cmomselfreview.pdf.

This document will assist the City of Purdy in evaluating the collection system to determine areas where the city needs to commit resources to eliminate problems.

The City of Purdy must develop and submit an Inflow and Infiltration Assessment and Reduction Plan and an Inspection and Maintenance Program. Included with these documents must be a commitment to implement this plan and program. These documents must be submitted within 90 days of receipt of this letter.

The City of Purdy must evaluate user rates for the wastewater treatment facility and collection system to ensure adequate monies are available for the proper operation, maintenance, and upgrading of the wastewater treatment facility and collection system. The Environmental Protection Agency is recommending that user rates be established at two percent of the median household income. Based on the year 2000 data from the U. S. Census Bureau (http://factfinder.census.gov) the median household income is \$ 24,318. At two percent the average user rate should be \$40/month.

It was also noted the continued operation of the wastewater treatment facility was not under the direct supervision of a certified operator. This also constitutes a violation of Missouri Clean Water Commission Regulations section 10 CSR 20-9.020(2)(B) and (D).

Within 45 days of receipt of this report please advise this office as to what steps have and will be taken to achieve compliance with all violations noted in the report.

If you have questions, please contact Gregory S. Perkins, P.E. by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 West Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

Kevin Hess, Chief Water Pollution Section

KH/gph

Enclosures

 Ms. Catherine Hodges, Water Pollution Control Branch - Enforcement Mr. Teddy McIntire, Operator

009.wpc.PurdyCityOf.mo0043222.wwtf.2007.06.24.fy07.insp.x.gsp

MISSOURI DEPARTMENT OF NATURAL RESOURCES REPORT ON INSPECTION WASTEWATER TREATMENT FACILITY SERVING CITY OF PURDY MO-0043222 BARRY COUNTY, MISSOURI

June 24, 2008

INTRODUCTION

On May 1, 2008, Gregory S. Perkins, P.E. of the Missouri Department of Natural Resources – Southwest Regional Office conducted a routine inspection of the wastewater treatment facility serving the City of Purdy. The purpose of the inspection was to assess compliance with the Missouri Clean Water Law, Missouri Clean Water Commission (MCWC) regulations and the facility's Missouri State Operating Permit (MSOP). The inspection also served to promote proper operation and to provide technical assistance where necessary.

WASTEWATER TREATMENT FACILITY DESCRIPTION

The facility operates under MSOP number MO0043222. The treatment facility for outfall 001 is composed of a single cell aerated lagoon with approximately 55 acres of land used for irrigation. The system has a Design Flow capacity of 120,000 gallons per day. Sludge is retained in the lagoon until final disposal. The facility is a no-discharge facility within the Little Flat Creek basin. The facility has a Design Population Equivalent of 1,500. Outfall 002 is a single cell overflow lagoon which serves a lift station that pumps to outfall 001. The facility has a design flow of 27,000 gallons per day. The facility has a design population equivalent of 450. The MSOP for this facility expires on December 23, 2008.

COMPLIANCE EVALUATION

- As part of the inspection, a review of the facility's Discharge Monitoring Reports (DMR) was conducted. It was determined that the City of Purdy exceeded MSOP permit limitations for nitrate as nitrogen in monitoring well # 1 for the months September 2007, January 2008, and February 2008. This non-compliance constitutes a violation of Missouri Clean Water Law sections 644.051.1(3) and 644.076.1.
- The report of sample analysis for samples obtained during the inspection indicates the facility was in non-compliance with MSOP limitations for nitrate as nitrogen in monitoring well #1. This non-compliance constitutes a violation of Missouri Clean Water Law sections 644,051.1(3) and 644.076.1 RSMo.
- The City of Purdy failed to report the noncompliance with MSOP permit limitations as required in Part I of the Standard Conditions. Failure to notify the Department of Natural Resources constitutes a violation of Missouri Clean Water Law Section 644.076.1, RSMo.
- The operation of the wastewater treatment facility is not under the direct supervision of an operator certified by the State of Missouri-Department of Natural Resources. The required level of operation for this facility is a D certification.

- The City of Purdy has not reporting the operational testing as required in 10 CSR 20-9.010(5).
- The City of Purdy is not submitting Discharge Monitoring Reports on a monthly basis in accordance with the revised MSOP.
- The City of Purdy's collection system receives excessive flows due to inflow and infiltration (I&I) from storm events.
- 8. Observations made of the lagoon serving Outfall 002 indicated the facility was leaking.

OPERATION AND MAINTENANCE EVALUATION

 The City of Purdy does no Quality Assurance/Quality Control for laboratory analysis done onsite.

COMMENTS

The results of sample analysis for samples obtained during the inspection and three months of Discharge Monitoring Reports (September 2006, January 2008, and February 2008) indicate non-compliance with Missouri State Operating Permit (MSOP) daily maximum limitations for nitrate in monitoring well # 1. This non-compliance constitutes a violation of Missouri Clean Water Law sections 644.051.1(3) and 644.076.1 RSMo. Because of continued non-compliance with MSOP it will be necessary for the City of Purdy to retain the services of a professional engineer registered in the State of Missouri to evaluate the design, operation, and maintenance of the lagoon system and make recommendations to bring this facility into compliance with MSOP limitations and conditions. This engineering report and a commitment by the City of Purdy to implement the recommendations must be submitted within 120 days of receipt of this letter.

In accordance with the Standard Conditions of the City's MSOP any noncompliance must be reported to the Department of Natural Resources – Southwest Regional Office within 24 hours by phone and within five days in writing. This would include any bypassing in the collection system if there is any.

The operation of this system is still not under the direct supervision of a certified operator have a minimum Class D license. Within 30 days please provide this office with the name of a certified operator possessing a Class D license to be responsible for the operation and maintenance of this system.

Operational testing is required by 10 CSR 20-9.010(5), copy enclosed. The minimum requirements include flow weather conditions, dissolved oxygen, and pH of the lagoon water. This information is required to be gathered twice per week and reported on the monthly Discharge Monitoring Report.

The City of Purdy is not submitting Discharge Monitoring Reports as required in the MSOP that was modified on November 26, 2007. It is understood that the City of Purdy met with staff from the Southwest Regional Office to determine the reporting requirements from the original permit. Please note the requirements have changed from quarterly sampling and reporting to monthly. It is imperative that the City of Purdy carefully review any draft or issued MSOP to ensure compliance with all limitations and conditions. Revised discharge monitoring reports for December 2007, January 2008, February 2008, and April 2008 must be submitted within 45 days of receipt of this report.

The City of Purdy has a bypass lagoon (Outfall 002) which can be used as a bypass of complete treatment for excess flow from storm events. The current Missouri State Operating Permit (MSOP) allows a discharge with limitations of 45 mg/l for both Biochemical Oxygen Demand and Total Suspended Solids. The Environmental Protection Agency (EPA) has recently commented that these discharges should not be allowed unless the permittee has exhausted all avenues to reduce or eliminate Inflow and Infiltration (I&I) into the collection system. It appears the EPA is heading in the direction of elimination of these outfalls from the City's MSOP. If a discharge does occur after the outfall is eliminated, it must be reported as a bypass in accordance with MSOP Standard Conditions Part I.

The City of Purdy must continue an aggressive program for the location and repair of sources of Inflow and Infiltration into the city's collection system. The EPA has a self assessment tool called Capacity, Management, Operation, and Maintenance (CMOM) which can be found on the internet at: http://www.epa.gov/npdes/pubs/cmomselfreview.pdf. This document will assist the City of Purdy in evaluating the collection system to determine areas where the city needs to commit resources to eliminate problems.

The City of Purdy must develop and submit an Inflow and Infiltration Assessment and Reduction Plan and an Inspection and Maintenance Program. Included with these documents must be a commitment to implement this plan and program. These documents must be submitted within 90 days of receipt of this letter.

The City of Purdy must evaluate user rates for the wastewater treatment facility and collection system to ensure adequate monies are available for the proper operation, maintenance, and upgrading of the wastewater treatment facility and collection system. The Environmental Protection Agency is recommending that user rates be established at two percent of the median household income. Based on the year 2000 data from the U. S. Census Bureau (http://factfinder.census.gov) the median household income is \$ 24,318. At two percent, the average user rate should be \$40/month.

It was observed during the inspection a potential leak through the berm of the lagoon serving Outfall 002. A request was made to the Department of Natural Resources – Division of Geology and Land Survey to evaluate the lagoon, a copy of their report is enclosed. Their observations confirmed the leakage from the lagoon. Please note the results for sample analysis indicated the facility was in non-compliance with MSOP limitations for Biochemical Oxygen Demand. It will be necessary for the City of Purdy to conduct an engineering evaluation of the lagoon system to determine if repair or replacement of the lagoon is needed. This engineering report and a

commitment by the City of Purdy to implement the recommendations must be submitted within 120 days of receipt of this letter.

Quality Assurance/Quality Control procedures are very important in being able to justify laboratory analytical results. This would include analyzing a zero standard and a Winkler titration for dissolved oxygen and known standard and daily calibration for pH. Documentation of the date, time, results of analysis, and signature or initials of the analyst must be maintained in ink and kept on file for inspection purposes.

The dissolved oxygen and pH meters are temperature compensated. The temperature reading capabilities of both meters must be checked against a certified thermometer. Documentation of the date, time, results of analysis, and signature or initials of the analyst must be **maintained in ink** and kept on file for inspection purposes.

RECOMMENDATIONS

- Within 120 days of receipt of this report submit a engineering evaluation of the lagoon irrigation system with recommendations for compliance with all MSOP permit limitations, conditions Missouri Clean Water Law, and Regulations.
- Report all noncompliance and bypassing in accordance with the city's MSOP Standard Conditions.
- Within 30 days provide this office with the name of a certified operator possessing a minimum Class D license to be responsible for the operation and maintenance of this system.
- Revised discharge monitoring reports for December 2007, January, 2008, February 2008, and April 2008 must be submitted within 45 days of receipt of this report. Submit monthly Discharge Monitoring Reports as required by the MSOP.
- Report the results of the required operational testing with the monthly Discharge Monitoring Report.

- Continue with an aggressive program for the location and repair of sources of I&I into the collection system. Develop and submit within 90 days an Inflow and Infiltration Assessment and Reduction Plan and an Inspection and Maintenance Program.
- Evaluate the user rates for the sewer system and adjust as necessary.
- Within 120 days submit an engineering evaluation of the lagoon leakage and compliance issues at Outfall 002 with a commitment by the City of Purdy to eliminate the problem.
- Perform Quality Assurance/Quality Control analysis including monitoring the temperature reading capability of the laboratory equipment.

REPORTED BY:

Gregory S. Perkins, P.E. Environmental Engineer Southwest Regional Office APPROVED BY:

Gale L. Roberts, P.E., Chief Water Pollution Engineering Unit Southwest Regional Office



Location: City of Purdy Wastewater Treatment Facility

Photographer: Gregory S. Perkins, P.E.

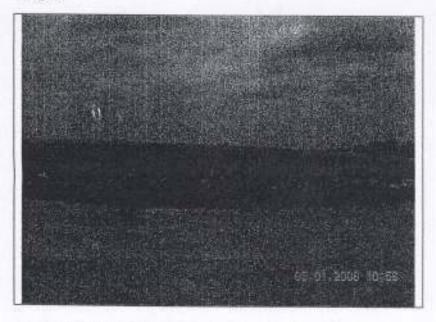
Comments: Outfall 001 Lagoon



Location: City of Purdy Wastewater Treatment Facility

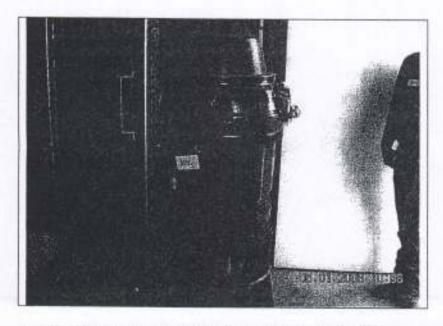
Photographer: Gregory S. Perkins, P.E.

Comments: Lagoon depth marker and aerators



Location: City of Purdy Wastewater Treatment Facility

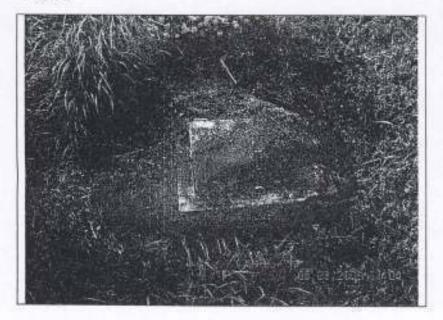
Photographer: Gregory S. Perkins, P.E. Comments: Land application site



Location: City of Purdy Wastewater Treatment Facility

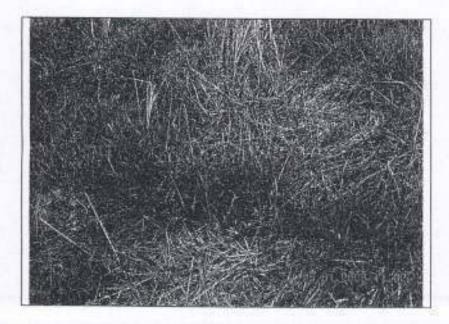
Photographer: Gregory S. Perkins, P.E.

Comments: Irrigation pump



Location: City of Purdy Wastewater Treatment Facility Photographer: Gregory S. Perkins, P.E.

Comments: Manhole with inflow of stormwater



Location: City of Purdy Wastewater Treatment Facility

Photographer: Gregory S. Perkins, P.E.

Comments: Leakage area from lagoon at Outfall 002



Location: City of Purdy Wastewater Treatment Facility Photographer: Gregory S. Perkins, P.E. Comments: Outfall 002 Discharge pipe with discharge



Order ID:

080502003

Missouri Department of Natural Resources Mental Services Program, Contact: WPCB Sance Parser Program, Contact: WPCB Sance Parser Personal Program of the Program of the

Environmental Services Program 19202

Report Date: 5/19/2008 Order Comment:



ıstomer #: 0806043 imple: 080502003-01 County: Barry Facility ID: MO0043222 Sample Reference ID: OCHWS OF STREET STREET

Collector: Gregory S. Perkins Affiliation:

SWRO

Collect Date: 5/1/2008

Collect Time: 11:20 AM

Sample Comment: WWTF outfall 001, monitoring well #1, grab.

itrix: Nonpotable Water

18	Parameter	Result	Qualifier	Units	QC BatchID	Method
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Iribe as N		0.04	05	TABIT.	Q80502-05	EPA 353.2
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Customer #: 0806046 Biochemical Oxygen Demand Sample: 080502003-04 Matrix: Nonpotable Water Blochemical Oxygen Demand Parameter Collecte County: , Sample/Comment: Facility ID: MO0043222 Gregory 5. Perkins WARREN. WWTF cutfall 001, effluent pipe, grab. 50,5 Result Affiliation: Sample Reference ID: Site: Qualifier SWRO Purdy WWTF Units Them QC BatchID Q80513-03bod Collect Time: 12:30 PM Collect Date: 5/1/2008 Method SM-5210-B

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S. Environmental Protection Agency.

44.0

mg/L

Q80506-01nft

SM 2540-D

Non-Filterable Residue

Non-Filterable Residue

Cuise Lusural

Connie Glesing, Laboratory Manager Environmental Services Program Field Services Division

01 Improper collection method	11 Estimated value, matrix interference
02 Improper preservation	12 Insufficient quantity
03 Exceeded holding time	13. Estimated value, true result is > reported value
04 Analyzed by Confract Laboratory	14 Estimated value, non-homogeneous sample
05 Estimated value, detected below PQL	15 No Result - Falled Quality Controls Requirements
06 Estimated value, QC data outside limits	16. Not analyzed - related analyte not detected
07 Estimated value, analyte outside calibration range	17 Results in dry weight
08. Analyte present in blank at > 1/2 reported value	18 Sample pH is outside the acceptable range
09 Sample was diluted during analysis	19 Estimated value
10 Laboratory error	20 Not analyzed - Instrument failure

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Stream Usage Survey

Recreation activities? Please select all that apply: Swimming Tubing Sonorkling/Skin Diving Water Skiing									
3. City or Town (Please enter city or town closest to the area of use) 4. Where do you use the stream? If use occurs in multiple locations, please list them all below. (Please be specific so the location can be identified on a map, ag., 9th Streat Bridge, Anytown City Park, Quarter Saction-Township-Range, Latitude/Longitude, etc). From 1135 bridge to "C" Hwy, My school students use creek at Hwy 1095 and 100 and downstream to confluence of Flat Creek Low water bridge on "C" Hwy, My school students use creek at Hwy 1095 and 100 and downstream to entrance of quarry. Friends use creek at downstream of Hwy BB & 2000, Historic Spout is located 210 mio. on 2006 and contributes to 15. Have you or your family personally used the stream at this site(s) for necestion since Nov. 28, 1975? We Yes If Yes, go to Question #6 No If No, go to Question #11 6. Have you or your family personally used the stream at this site(s) for any of the following whole body contact recreation activities? Please select all that apply: Swimming You have you or your family personally used the stream at this site(s) for any of the following secondary contact recreation activities? Please select all that apply: Water Sking Wading Sebating Trapping 9. How many times per year have you or your family personally used the stream for these activities? 99 10. How many of these times did children wade or play in the stream? 85 11. Have you observed or heard of others using the stream at this site(s) for any of the following whole body contact recreation activities? Please select all that apply: We yet If Yes, go to Question #12 12. Have you observed or heard of others using the stream at this site(s) for any of the following whole body contact recreation activities? Please select all that apply: We swimming Trubing Sondking/Skin Diving Water Sking 13. How many times per year have you observed or heard of others using the stream for these activities? 14. Have you observed or heard of others using the stream at this site(s) for any of the fo	1.	Stream Name (P	lease enter the full name)	Tracie Snod	grass				
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First Name: Tracie & Mike Last Name: Snodgrass Address 1: 7561 Hwy V V Address 2: Zip 65769 - Code:		Flat Creek is use	ed for human recreation, dri	nking well water	,livestock	watering, aquati	c habitat8	k food source	,wildlife
Address 1: 7561 Hwy V V Address 2: City: Verona State: Missouri Zip 65769 - Code:	18	. In the event the	department has questions,	please provide t	he followi	ing contact inform	nation:		
City: Verona State: Missouri Zip 65769 - Code:		First Name: Ti	racie & Mike	Last I	Name: S	nodgrass			
Code:		Address 1: 75	561 Hwy V V	Addre	ess 2:				
		City: Verona		State: Miss	souri			55769 -	
		Phone Number:	(417) 847 - 4639 ex	tt. E-ma	il: mtnm				



John Hoke/WPCP/DEQ/MODNR 08/21/2008 01:00 PM

To dsherburne@moenviron.org

cc Anne Peery/WPCP/DEQ/MODNR@MODNR

bcc

Subject Fw: Stream Usage Survey Response

John Hoke Environmental Specialist IV, TMDL Unit Chief Water Quality Monitoring & Assessment Section Missouri Department of Natural Resources Phone: (573) 526-1446 Fax: (573) 522-9920

---- Forwarded by John Hoke/WPCP/DEQ/MODNR on 08/21/2008 01:00 PM -----



dnrweb@mail.mo.gov

08/21/2008 12:48 PM To "John Hoke" <john.hoke@dnr.mo.gov>

CC

Subject Stream Usage Survey Response

	nesponse from Quask form: NPP-stream-usage		
StreamName:	Tracie Snodgrass		
StreamCounty1:	Barry		
FamilyRecreationY esNo:	Yes		
FamilyRecreationA ctivity:	Swimming Tubing Snorkling/Skin Diving		
FamilySecondaryA ctivity:	Fishing Wading Boating		
StreamCity:	Purdy		
OthersRecreationY esNo:	Yes		

StreamUseComme nts: From 1135 bridge to "C" Hwy Bridge on Little Flat Creek and 1/4 mi downstream to confluence of Flat Creek Low water bridge on "C" Hwy.My school students use creek at Hwy 1095 and 100 and downstream to entrance of quarry. Friends use creek at downstream of Hwy BB & 2060. Historic Spout is located 2/10 mi. on 2060 and contributes to aquafier of LFC2393. OthersRecreationA ctivity: Swimming Tubing FamilyRecreationU sePerYear: 99 FamilySecondaryU sePerYear: 99 FamilyChildrenUse PerYear: 85 OthersRecreation UsePerYear: 75 OthersSecondaryA ctivity: Fishing Wading Boating OthersSecondaryU sePerYear: 99 OthersChildrenUse PerYear: 85 AdditionalComme nts: We own 90 acres on Little Flat Creek, it has been in our family for 3 generations. It is our Grandchildren's heritage. Little Flat Creek is used for human recreation, drinking well water, livestock watering, aquatic habitat& food source, wildlife habitat and drinking water. Little Flat Creek is located in a water shed of a 100 c+ dairy operation, Purdy WWTF, approx 26 chicken & turkey house and a Quarry just within 5mi from Little Flat Creek. Any non-protection status would cause an economical devaluation of landowners along 2393. We personally did a cost-share with MDOC to create a riparian zone on our farm. Removal is NOT an option! ContactFirstName: Tracie & Mike ContactLastName: **Snodgrass** ContactAddress1: 7561 Hwy V V ContactCity:

» Fw: Stream Usage Survey Response - Anne Peery/WPCP/DEQ/MODNR

Verona ContactState: Missouri ContactZipCode: 65769 ContactPhoneArea Code: 417 ContactPhonePrefi 847 ContactPhoneNum ber: 4639 ContactEmail: mtnmaid@mo-net.com

Double click the attachment to show the data in the form. <u>Click here</u> to get the viewer if you have not already installed it.



View Form.qrd

WWTF WBID 2393 (rec. 8-21-08) Monet Purdy 1045/1100 Flows 1.5 mi downstream 1107 Farm Rd Water flows to 6/10 mi From: Tracie Snodgrass 4/10 mile below 1107 B-B Hwy 2060 Spoot Spring 1862 Historic * Water - 2393



Missouri Department of Natural Resources

Stream Usage Survey

1.	Stream Name (Please enter the full name)
2.	County (Please enter the county or counties where the use occurs)
3.	City or Town (Please enter city or town closest to the area of use)
loc	Where do you use the stream? If use occurs in multiple locations, please list them all below. (Please be station can be identified on a map, e.g., 9th Street Bridge, Anytown City Park, Quarter Section-Township-Ratifitude/Longitude, etc).
	2060 : 1095 Bridge and downstream to Quarry Pd
5.	Have you or your family personally used the stream at this site(s) for recreation since Nov. 28, 1975?
	Yes If Yes, go to Question #6 No If No, go to Question #11
	Have you or your family personally used the stream at this site(s) for any of the following whole body contacted and activities? Please select all that apply:
	Swimming Snorkling/Skin Diving Water Skiing
7.	How many times per year have you or your family personally used the stream for these activities?
	Have you or your family personally used the stream at this site(s) for any of the following secondary contacreation activities? Please select all that apply:
	Fishing Wading Boating Trapping
j	How many times per year have you or your family personally used the stream for these activities?
10	. How many of these times did children wade or play in the stream?
11	. Have you observed or heard of others using the stream at this site(s) for recreation since Nov. 28, 1975?
	Yes If Yes, go to Question #12 No If No, go to Question #17
	. Have you observed or heard of others using the stream at this site(s) for any of the following whole body or creation activities? Please select all that apply:
	Swimming Tubing Snorkling/Skin Diving Water Skiing
3.	. How many times per year have you observed or heard of others using the stream for these activities? 90
	Have you observed or heard of others using the stream at this site(s) for any of the following secondary or creation activities? Please select all that apply:
	Fishing Wading Boating Trapping WATER AUG 20
vv	Have you observed or heard of others using the stream at this site(s) for any of the following secondary of the real of others using the stream at this site(s) for any of the following secondary of the followin

7. Do you have a	SAUS-CONS-STREET	U/10/2012/10/96/2012	Control to the Control Control	TO CONTRACT OF THE PARTY OF THE	100 CONTRACTOR	emonosce monosce	stream?
Ihis	15	OUT	Summ	ner	TUN	,	
8. In the event th	e departme	nt has quest	tions, please pr				
First Name:				Last Nam	e: Wor	mingto	2
Address 1:	R.R	3			130x		
City: Ma	nett		State	Missouri		Zip Code:	65708
Phone Number	c (4/3	1942-71	53 ext	E-mail:		odde	
		Machine I a or	54000 I				
Thank you for t	aking time	to complete	our stream use	survey. W	le appreciate	your interest	and involveme
							olease contact

Missouri Department of Natural Resources P.O. Box 176, Jefferson City, MO 65102 1-800-361-4827 / (573) 751-13 E-mail: cleanwater@dnr.mo.gc

